

Polyclad® 777



Polyclad 777 is a snap-set structural polyurethane designed to provide superior corrosion protection to steel and ductile iron in buried service.

PRODUCT DETAILS Polyclad 777 is a tough structural polyurethane coating designed to provide outstanding corrosion protection for steel and ductile iron in buried service. It is a dense, highly impermeable barrier that is ready for service moments after application. It withstands the extreme conditions of construction handling, backfilling operations, and in-service exposures found in the pipeline and other industries. Polyclad 777 is solvent-free and odorless. It is airless-spray applied with quick-cure characteristics over a wide temperature range. It can also be applied in a single coat at a thickness of 25-125 mils (625- 3125 μ) depending on service demands.

APPLICATIONS

PIPELINE EXTERIORS
WATER TRANSMISSION
MUNICIPAL WASTEWATER
STEEL UTILITY POLES
TANK EXTERIORS
BURIED STRUCTURES
EQUIPMENT MANUFACTURING

FEATURES

- › Exceeds AWWA C222 requirements
- › Zero VOC, Zero Solvents
- › Apply Direct to metal
- › Outstanding adhesion to steel and ductile iron
- › Tough: Extremely high abrasion and impact resistance
- › Single-coat application, 25-125 mils (625-3125 μ)
- › Rapid cure: 20-120 seconds (variable set times)
- › Up to 2-hour recoat times for repairs
- › Formulated with no abrasive fillers (minimal pump wear)
- › No voids or tenting over weld seams
- › Works with cathodic protection
- › Fast Application: High production rates
- › Easy to use repair kits available.

Polyclad® 777

Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Reasons To Use Polyclad 777

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Exceeds AWWA C222 Standard	Exceeds the performance standard accepted by the water industry for buried pipe	Peace of mind. Coating provides the corrosion protection you need
Outstanding adhesion and wet adhesion	Improved ability to resist undercutting and cathodic disbondment and good resistance to wet soils	Longer service life; longer maintenance cycles; reduced CP costs; less shipping/handling damage costs
“Tough Film” Impact/Abrasion Resistant with good flexibility	Resists handling damage ; Resists installation damage; Resists damage during installation and backfilling	Reduces repair costs; Easier/faster installation; Longer service life due to fewer damaged areas
Compatible with cathodic protection	Coating has affinity to stay in place (adhesion); Less chance for cathodic shielding	CP system works properly and monitored accurately; Longer service life
“Monolithic” Dense coating with extremely low permeability rates.	Poor moisture migration through the film resulting in excellent corrosion protection	Longer service life; Less corrosion over time
1:1 Mix ratio	Minimizes off-ratio mixes; Simple/straightforward pump operation. Higher crosslink density	Reduces costly reblasts or repairs; Easier for workers to understand and troubleshoot; Better quality mix/job; Dense and highly impermeable film results in a great barrier coating
Formulated with no abrasive fillers	Reduces wear on pumps	Saves money on pump repairs; Saves work stoppages due to equipment breakdown; Longer “run times” before maintenance
Solvent Free	Allows fast-set formulas for quick handling; Eliminates potential for solvent-entrapment; Eliminates VOC; Safer worker conditions	Faster shop turnaround; Eliminates reblasts due to solvent entrapment; Compliant with air quality regulations (EPA); Eliminates solvent exposures to workers (wash solvent)



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